

## Answer on Question# 50074 - <Programming> - <C++>

### Program

```
#include <iostream>
#include <string>
using namespace std;

struct Distance //English distance
{
    int feet;
    float inches;
};

struct Volume
{
    Distance width;
    Distance height;
    Distance length;
};

float ToFoot(Distance x)
{
    return (x.feet+x.inches/12.);
}

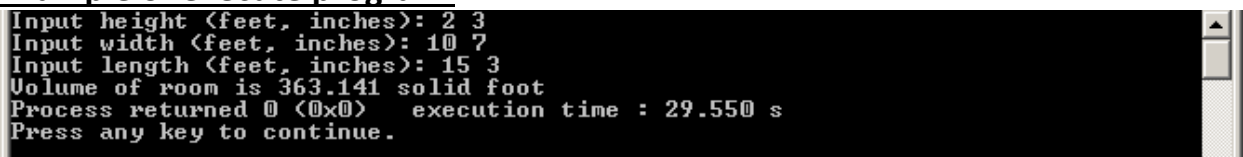
int main( )
{
    Volume room;

    cout<<"Input height (feet, inches): ";
    cin>> room.height.feet>>room.height.inches;
    cout<<"Input width (feet, inches): ";
    cin>> room.width.feet>>room.width.inches;
    cout<<"Input length (feet, inches): ";
    cin>> room.length.feet>>room.length.inches;

    float
V=ToFoot(room.height)*ToFoot(room.width)*ToFoot(room.length);
    cout<<"Volume of room is "<<V<<" solid foot";

    return 0;
}
```

### Example of execute program:



```
Input height (feet, inches): 2 3
Input width (feet, inches): 10 7
Input length (feet, inches): 15 3
Volume of room is 363.141 solid foot
Process returned 0 (0x0)   execution time : 29.550 s
Press any key to continue.
```